

**Abstract**

A data collection system that is attachable to an optical fiber splicer and is connectible to the splicer's serial port and/or video output. The device captures text data from the serial port and stores this data along with digitized video images of the fibers before, during, and/or after the splice. This data may be stored on a high-capacity storage medium, which may be removable. The date, time, and/or other external data may be recorded as well. The record of each splice is uniquely identified by a serial number or other indicium that is labeled on the splice. This serial number may be read into the data collection device by a laser scanner or optical wand. This device may also interface with a computer and may have full handshaking and a faster, better configured serial port connection than the splicer itself. Advantages of the data collection system include providing remote access of splice data, accountability for defective or problematic splices, and more efficient troubleshooting.

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